

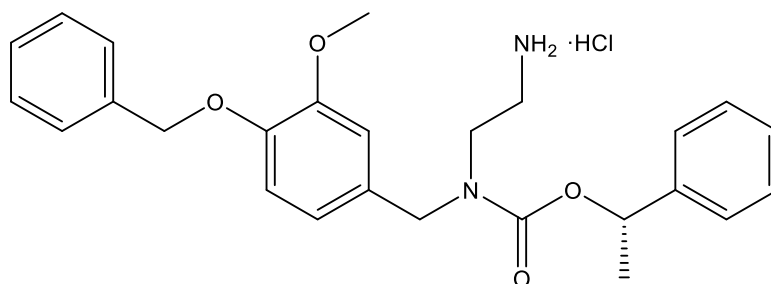
**Catalog # 10-5707**

**PBMC·HCl**

CAS# 1352138-54-5 (free base)

(S)-1-Phenylethyl(2-aminoethyl)(4-(benzyloxy)-3-methoxybenzyl)carbamate hydrochloride

Lot # S107068



Potent and selective inhibitor of TRPM8 channels. PBMC inhibits both chemical and thermal activation of TRPM8.<sup>1</sup> Reverses the menthol and cold-induced facilitation of the micturition reflex.<sup>2</sup> Represents a new lead for analgesic drugs based on blocking TRPM8.<sup>3</sup> Water soluble and easier to handle version of PBMC (Cat#10-1413).

- 1) Knowlton *et al.* (2011), *Pharmacological blockade of TRPM8 ion channels alters cold and cold pain responses in mice*; PLoS One, **6(9)** e25894
- 2) Gardiner *et al.* (2014), *The role of TRPM8 in the Guinea-pig bladder-cooling reflex investigated using a novel TRPM8 antagonist*; Eur. J. Pharmacol., **740** 398
- 3) Salat *et al.* (2013), *Transient receptor potential channels – emerging novel drug targets for the treatment of pain*; Curr. Med. Chem., **20** 1409

**PHYSICAL DATA**

Molecular Weight:	471.00
Molecular Formula:	C <sub>26</sub> H <sub>30</sub> N <sub>2</sub> O <sub>4</sub> ·HCl
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 30 mg/ml); water (10 mg/mL)
Physical Description:	Off-white to pale yellow solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.